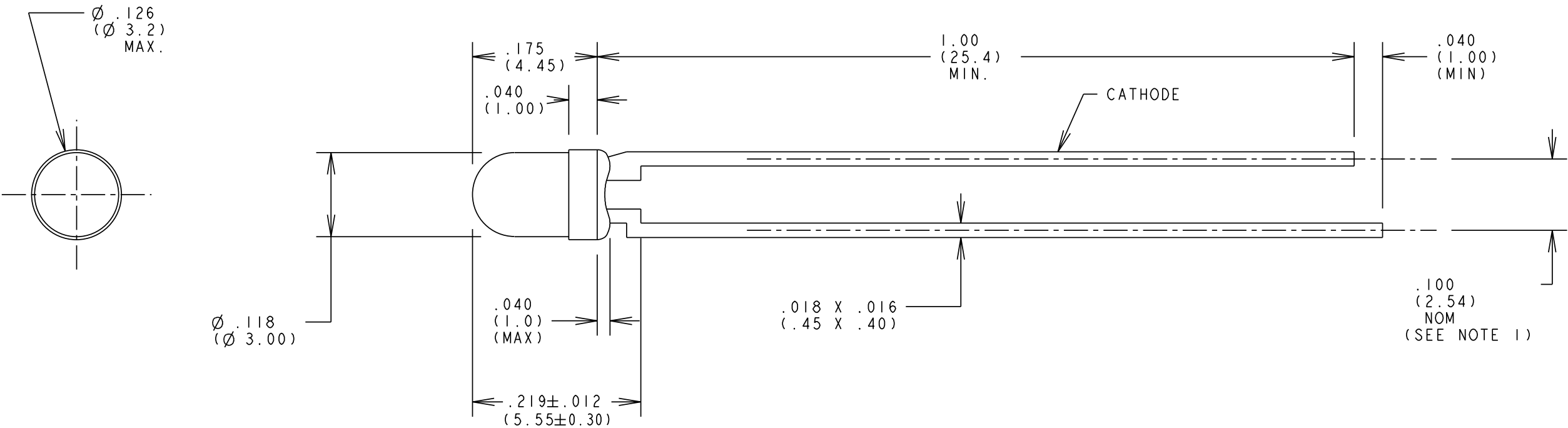


|   |     |     |     |        |                        |
|---|-----|-----|-----|--------|------------------------|
| LED COLOR = YELLOW WATER CLEAR            |     |     |     |        |                        |
| OPERATING CHARACTERISTICS AT 25°C AMBIENT |     |     |     |        |                        |
| CHARACTERISTICS                           | MIN | TYP | MAX | UNITS  | TEST CONDITIONS        |
| LUMINOUS INTENSITY                        | 180 | 320 |     | mcd    | I <sub>F</sub> = 20 mA |
| FORWARD VOLTAGE                           |     | 2.0 | 2.4 | V      | I <sub>F</sub> = 20 mA |
| REVERSE CURRENT                           |     |     | 100 | µA     | V <sub>R</sub> = 5 V   |
| PEAK WAVELENGTH                           |     | 588 |     | nm     |                        |
| DOMINANT WAVELENGTH                       | 586 | 589 | 592 | nm     |                        |
| VIEWING ANGLE                             |     | 56  |     | Degree |                        |

NOTES:

1. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
2. DIALIGHT PART NO. 521-9889F.



**RoHS Compliant 521-9889F Thru hole Single Color LED**

Part Numbers with the "F" suffix ending are RoHS Compliant.  
Example: 551-9889F  
The bag packaging is marked with "RoHS Compliant" label or equivalent markings.  
Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

|  |       |                    |
|--|-------|--------------------|
| ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT                    | UNITS | YELLOW WATER CLEAR |
| POWER DISSIPATION  | mW    | 75                 |
| CONTINUOUS FORWARD CURRENT                                 | mA    | 30                 |
| DERATE LINEARLY FROM 50°C                                  | mA/°C | 0.4                |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | mA    | 60                 |
| LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY        | °C    | 260                |
| OPERATING TEMPERATURE                                      | °C    | -55 TO 100         |
| STORAGE TEMPERATURE  | °C    | -40 TO 100         |

|   |   |          |
|---|---|----------|
| THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT. |   |          |
| SCALE: DRAWING SCALE<br>ALL DIM'S IN: INCHES (MM)   | DRAWING NUMBER<br>C-17484   | REV<br>A |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED<br>FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.01<br>DECIMALS (.XXX): ±.005<br>DECIMALS (.XXXX): ±.0005<br>ANGLES: ±1°  | TITLE<br>3mm LED AlInGaP YELLOW<br>WATER CLEAR LENS, RoHS COMPLIANT |          |
| FINISH:   | MATERIAL  |          |
| FSCM 83330  | Dialight<br>1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727            |          |
| SHEET 1 OF 1 FAMILY TABLE:  |   |          |

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Dialight:

521-9889F